

### **Claims**

1. Conveying apparatus for baking products, where a conveying unit (1), which is connected to a heating device, is connected at the one side to a supplying apparatus (2) and at the other side to a removal apparatus (3), characterised in that the conveying unit (1) includes a helical face (1.2) which can be set to vibrate by means of an oscillating drive (1.1) to convey the baking products upwards, wherein the supplying apparatus (2) is connected in the lower region of the conveying unit (1) and the removal apparatus (3) is connected in the upper region of the conveying unit (1).
2. Apparatus according to claim 1, characterised in that the helical face (1.2) is wound in a concentric manner about a hollow central section (1.3).
3. Apparatus according to claim 2, characterised in that the central section (1.3) is included in a recirculating air heating circuit (1.4) which leads over the helical face (1.2) for heating-up the baking products.
4. Apparatus according to one of the preceding claims, characterised in that the helical face (1.2) includes some steps (1.5) for turning the baking products as they are being conveyed.
5. Apparatus according to one of the preceding claims, characterised in that the oscillating drive (1.1) includes two out-of-balance drive units, the power vectors of which are aligned inclined to the vertical and inclined to one another.
6. Apparatus according to one of the preceding claims, characterised in that the removal apparatus (3) is disposed above the supplying apparatus (2) on the same side of the conveying unit (1).

7. Apparatus according to one of the preceding claims, characterised in that the supplying apparatus (2) includes a supplying section (2.3), which is connected to the conveying unit (1) and is provided with a singling-out function, and a loading unit (2.4), which leads downwards to said supplying section and is set at an incline or is adjustable at an incline relative to said supplying section.
8. Apparatus according to claim 7, characterised in that, for the supplying of the baking products, the loading unit (2.4) is driveable by means of a supplying drive (2.5) and the supplying section (2.3) is drivable by means of an additional supplying drive.
9. Apparatus according to one of the preceding claims, characterised in that the supplying apparatus (2) includes an individual loading section (2.1), which is connected to the supplying section (2.3).
10. Apparatus according to one of the preceding claims, characterised in that the removal apparatus (3) includes a removal section (3.1), which is connected to the upper end region of the helical face (1.2), and an output section (3.2), which leads inclinedly downwards to a removal apparatus (3.3).
11. Apparatus according to one of claims 6 to 10, characterised in that the heat of the baking products situated in the removal apparatus (3) is conducted in part to the baking products situated in the supplying apparatus (2).